

Date: Tue, 15 Feb 94 04:30:31 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #33  
To: Ham-Equip

Ham-Equip Digest                      Tue, 15 Feb 94                      Volume 94 : Issue    33

Today's Topics:

    Comments on MFJ ant. bridges and freq. counters  
Experience with Ray-O-Vac "Renewal" batteries - disappointment (2 msgs)  
    GLB Channelizer GLB400B  
    Ground Plane antenna gain  
    HT Recs out there?  
    Looking for LOGIKEY keyer  
Opinions wanted on mobile dual-banders  
sell:laptop,KAM ALL MODE,c64/1541drive  
    sell johnson ranger?  
    Vertical Antennas  
    Yaesu FT-5100 packet connection

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Mon, 14 Feb 1994 16:13:49 GMT  
From: ncrqw2.ncr.com!ncrhub2!whq2-top!SIDBTST1!Ronald.D.Doyle@uunet.uu.net  
Subject: Comments on MFJ ant. bridges and freq. counters  
To: ham-equip@ucsd.edu

Hi and thanks for reading this.

I am looking into buying an antenna bridge from MFJ. Does anybody have any  
experience  
good or bad with MFJ 203, 205, 207, 208, and 209 bridges ?

I am also looking at the MFJ 249 Frequency Counter. Any comments about this piece

of  
gear will also be greatly appreciated.

Tnx again. I will repost any comments that I get so all will benifit.

73 - Ron Doyle N8VAR

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Ronald Doyle, Worldwide Customer Services, AT&T GIS- Dayton  
NCR: 622-3179 <Ronald.Doyle@DaytonOH.NCR.COM>  
(513) 445-3179 FAX: 445-7542  
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Date: 14 Feb 94 15:13:20 GMT  
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!  
pv6624.vincent.iastate.edu!seldon@network.ucsd.edu  
Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment  
To: ham-equip@ucsd.edu

In <dgfCL6L1t.Mx1@netcom.com> dgf@netcom.com (David Feldman) writes:

...<stuff deleted>...

>I have not tried the other size cells. I'm posting this here because this test  
>was a pre-cursor to use in some ham (ATV portable) applications where I needed  
>higher energy storage density by weight but did not need numerous recharge  
>cycles (compared to NiCads). I believe they are not suitable for this  
>application based on my test.

>Comments? 73 Dave WB0GAZ

You could always try the same test with 8 batteries in a series parallel  
configuration. This should reduce the current drain on each individual  
battery, and still provide you with 6 volts.

Good Luck, and 73 Nick N9STF

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Seldon  
seldon@iastate.edu  
14, 15. . . What ever it takes.

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Date: Sun, 13 Feb 1994 21:01:02 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!agate!library.ucla.edu!

csulb.edu!csus.edu!netcom.com!dgf@network.ucsd.edu

Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment

To: ham-equip@ucsd.edu

I purchased four "D" cells and their recharger. My application requires 6VDC at about 5 amps continuous. When new, the cells decreased from 6V (series connected) output to about 4V output rather linearly during about 30 minutes of loading. I recharged the cells as directed, and repeated the usage. After only 15 charge/discharge cycles, the battery reached 4V output after only 5 minutes of usage (again, a linear time/voltage discharge). I looked for one "weak" cell in the string, but each cell was similar to the others at any given point in time. I tried this test only on one set of 4 cells purchased at the same time from a local retailer.

Does this experience match yours? Is 5 amps too much to ask of one of their "D" cells? I expected the cells to have greater energy storage capacity than 4AH 1.2V D-cell nicads, but in fact this doesn't seem to be the case in my experiment. The cells are not characterized on their package (unlike a NiCad) but, believing the advertisements and intuition, I would have expected >4AH by a considerable margin. Has anyone characterized these cells objectively?

I have not tried the other size cells. I'm posting this here because this test was a pre-cursor to use in some ham (ATV portable) applications where I needed higher energy storage density by weight but did not need numerous recharge cycles (compared to NiCads). I believe they are not suitable for this application based on my test.

Comments? 73 Dave WB0GAZ

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Date: 14 Feb 94 18:19:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: GLB Channelizer GLB400B  
To: ham-equip@ucsd.edu

I pick up a GLB400B channelizer and am wondering if anyone has any information regarding this unit. I believe it is a synthesizer meant to operate with crystal type 2m transceivers. I would appreciate any information.

Thank you.  
CF Lee, ve7lcf

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Date: Wed, 9 Feb 1994 10:00:13 GMT  
From: agate!howland.reston.ans.net!pipex!bbc!ant!boyer@network.ucsd.edu

Subject: Ground Plane antenna gain  
To: ham-equip@ucsd.edu

I can tell you all this much about 1/4 wave aerials. They usually have less gain than 1/2 dipole, because of ground imperfections. However if your aerial uses your transmission line, then this may appear the other way around. 1/4 wave ground plane aerials are 1/2 wave dipoles if you have a perfectly conducting infinite ground.

John b

John.boyce@rd.eng.bbc.co.uk

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Date: 13 Feb 1994 17:18:35 GMT  
From: agate!howland.reston.ans.net!news.moneng.mei.com!uwm.edu!msuinfo!  
cravitma@ames.arpa  
Subject: HT Recs out there?  
To: ham-equip@ucsd.edu

On 12 Feb 1994 23:06:18 GMT, strange alien beings caused Jesse L Wei  
(jlw3@cec3.wustl.edu) to write:

> I've been looking primarily at dual-banders, especially the ICOM IC-W2A.  
> Any complaints or complements for this or Kenwood's or Yaesu's or Alinco's?  
> I also like the look of having a wide band receiver as the IC-2SRA, but  
> as I already have a PRO-43, I know I don't need it. What are your  
> recommendations? Go new? Go used (I think that there will be an ARRL  
> convention in Dallas area this summer, is that right?)???

I have a Yaesu FT-470 dual-bander that I am quite happy with, and the model that replaced it (the FT-530 looks quite nice as well). I have also heard a lot of good things about the Alinco DJ-580, which looks like a wholly excellent radio for not an exorbitant amount of money. The Icoms, in my opinion, tend to be a little pricey.

> I'm kind of flexible on price range--I'm willing to spend a little more  
> if I know I'll be using it for a LONG time.

The FT-530 and Alinco DJ-580T are both running in the \$375-450 range. I'm not sure how much the FT-470 that I have is since it was a gift, but I think around \$400.

> Where is a good place to buy? Mail order? Tucker's Electronics (ads in

I find Tucker's pricing to be a little expensive. I am partial to AES (in

Milwaukee, among other place) myself, but if you shop around in the ads in CQ or something like that you may be able to do better than AES's prices.

> \_CQ\_, etc) is close to my house in Dallas. Any suggestions about  
> dual-band vs. just 2m or 70cm?

If it were me, I'd get the dual-bander myself. No sense locking yourself out of all that fun stuff available on 440. I almost made that mistake, and then decided that to ask for a dual-bander would be a lot less painful than kicking myself later for not having one.

> Any and all suggestions are appreciated. Thanks in advance.

If you need any more info etc, please feel free to drop me email  
(cravitma@cps.msu.edu)

Congratulations on passing your test.

/Matthew N9VWG

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Date: 11 Feb 1994 15:52:28 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!  
cs.utexas.edu!math.ohio-state.edu!news.acns.nwu.edu!casbah.acns.nwu.edu!  
rdewan@network.ucsd.edu  
Subject: Looking for LOGIKEY keyer  
To: ham-equip@ucsd.edu

In article <slayCL0wC3.u0@netcom.com>, Sandy Lynch <slay@netcom.com> wrote:

>Hannes Hogni Vilhjalmsson (hhv@rhi.hi.is) wrote:

>: Can anyone tell me the present address of the Logikey Company,  
>: or any other outlet for their LOGIKEY microprocessor based morse  
>: keyer?

>

>If I'm not mistaken, the LogiKey is the commercial version of the CMOS  
>Super Keyer II which was first described in the November 1990 issue of QST.  
>That keyer is available in Kit Form (i.e. parts, pcb, but no switches,  
>boxes, or batteries) from:

>

> Idiom Press  
> Box 583  
> Deerfield, IL 60015

>

>When I bought mine (it is a WONDERFUL keyer), I paid \$45 + \$3 for domestic  
>USA shipping. Foreign orders were \$45 + \$5.

The Logikey keyer also is sold by the same company: Idiom Press. Last

I saw in an ad, the price for Logikey was \$129 +s&H

BTW, Idiom Press is run by Bob Locher, W9KNI, top US operator in the just released CW DXCC list. He is also the author of a book on DXing and the author of the DXing chapter in ARRL Operating Guide.

He is an A1 operator.

Rajiv  
aa9ch  
r-dewan@nwu.edu

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Date: Wed, 9 Feb 1994 09:47:19 GMT  
From: hobbles!earth.armory.com!dev@uunet.uu.net  
Subject: Opinions wanted on mobile dual-banders  
To: ham-equip@ucsd.edu

i posted this a little while ago just to the equipmet group, but seeing as i got little response, i'm widening my audience a bit. :-)

anyways, i'm looking to get a mobile dual-bander for my car. and of course i'm interested in finding out what other people have and why they like or dis-like it. i'm interested in what sort of features they have, what features they do or don't need on it, what's really good to have (expanded receive? backlit DTMF mic?). tell me your experiences, etc.

i've noticed that most of the units only do tx from 440 to 450 in the 70cm band. that seems a little weird to me. only the Yaseu seems to do 430 to 450. these sorts of oddities is what is confusing me as to what to buy.

any help on this would be really appreciated.

--  
David Vangerov, KD6WXQ  
dev@deeptht.armory.com

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Date: 15 Feb 1994 01:45:34 GMT  
From: scubed!ihnp4.ucsd.edu!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!swrinde!sgiblab!sgigate.sgi.com!olivea!news.bu.edu!mdibella@network.ucsd.edu  
Subject: sell:laptop,KAM ALL MODE,c64/1541drive  
To: ham-equip@ucsd.edu

i have for sale a tandy 1500 laptop (8088 at 10?mhz) 20MB HD 640K ram,  
Kantronics KAM ALL MODE w/software cables ect... and a commodore 64c and a  
1541-II drive

(1500 laptop already has hostmaster and deskmate for use with kam)

tel # is 617-352-8502 or 617-646-8481 73's de n1gct (mike)

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Date: 15 Feb 1994 01:41:22 GMT

From: scubed!ihnp4.ucsd.edu!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!  
cs.utexas.edu!swrinde!sgiblab!sgigate.sgi.com!olivea!news.bu.edu!

mdibella@network.ucsd.edu

Subject: sell johnson ranger?

To: ham-equip@ucsd.edu

i'm looking for a johnson ranger-- an almost any shape (working or not)  
i'm willing to do a trade of some sort with a kam all mode and commodore 64  
and 1541-II drive # here is 617-352-8502 or 617-646-8481  
73's de n1gct (mike)

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Date: 11 Feb 1994 15:50:21 GMT

From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!col.hp.com!  
jms@network.ucsd.edu

Subject: Vertical Antennas

To: ham-equip@ucsd.edu

Alan Bloom (alanb@sr.hp.com) wrote:

: Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: : Yes, yes, I understand that, but look at what you're saying, "the  
: : current is \*still\* 1A in \*each\* 1/4-wave element." Since the dipole  
: : has \*two\* elements,  $1+1=2$ , it's instant flow is twice the current  
: : of a single element.

: If you installed RF ammeters in each element, they would read the  
: same no matter whether the ground plane is present or no. (Since  
: the RF generator and both elements are in series, the current must  
: be the same in each.) Each 1/4-wave element radiates 1/2 the total  
: power no matter whether the ground plane is present or no.

: (Is anybody else still following this convoluted discussion?)

: AL N1AL

Yes, but you're both over my head. I still read it, though.

Mike, K0TER

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Date: Tue, 15 Feb 1994 00:36:06 GMT  
From: amd!amdint.amd.com!dvorak.amd.com!positron!brian@decwrl.dec.com  
Subject: Yaesu FT-5100 packet connection  
To: ham-equip@ucsd.edu

Bill Plymale writes:

> I'm trying to interface a Yaesu FT-5100 to a MFJ-1270B TNC via  
> the 5100's DATA IN/OUT jack. I constructed a connector based on  
> the instructions in the 5100 manual. The problem is that the  
> transmit audio level out of the TNC is way too low.

It may not be the audio from the TNC -- the 5100's data connection port has been changed recently. I own two 5100's -- one is a year old and one is a month old. The "old" 5100 works perfectly well with the TNC wired into the data port on the back of the radio. The "new" 5100 keys up the transmitter but doesn't provide any audio output when it transmits.

I called Yaesu about this and it seems that they've changed the data port on the back of the radio to allow direct 9600 baud connection. In doing this, they made it impossible to run 1200 and 2400 baud packet through the data port. Wiring directly to the mike connector does still work, so that's the "correct" way to do it now. The manuals haven't been updated to reflect the new hardware yet.

Bummer. Now I've got two "identical" radios and two distinctly different ways to plug in a TNC.

Brian McMinn    N5PSS    brian@amd.com

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End of Ham-Equip Digest V94 #33

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